

BUSINESS INFORMATION WAREHOUSE FOR EXECUTIVE INFO SYSTEM (EIS)



BW Release 3.0B

Slide 1

BW WORKSHOP AGENDA

● BW Workshop I Schedule (AM)

- 8:00 – 8:10 BW overview
- 8:10 – 9:00 BW Query Terms
- 9:00 – 9:30 Reports Detail
- 9:30 – 10:00 Exercises

● BW Workshop II Schedule (AM)

- 10:00 – 10:10 BW overview
- 10:10 – 11:00 BW Query Terms
- 11:00 – 11:30 Reports Detail
- 11:30 – 12:00 Exercises

● BW Workshop III Schedule (PM)

- 1:00 – 1:10 BW overview
- 1:10 – 2:00 BW Query Terms
- 2:00 – 2:30 Reports Detail
- 2:30 – 3:00 Exercises



WORKSHOP OBJECTIVES

- **Raise user awareness about SAP BW**
- **Understand the Components of BW**
- **Understand the How-To-Use the BW Tools**
- **Provide an overview of SAP BW Web-based reporting**
- **Create understanding of the data contained in the reports**
- **Create the ability to select & execute a standard report**



BW OVERVIEW

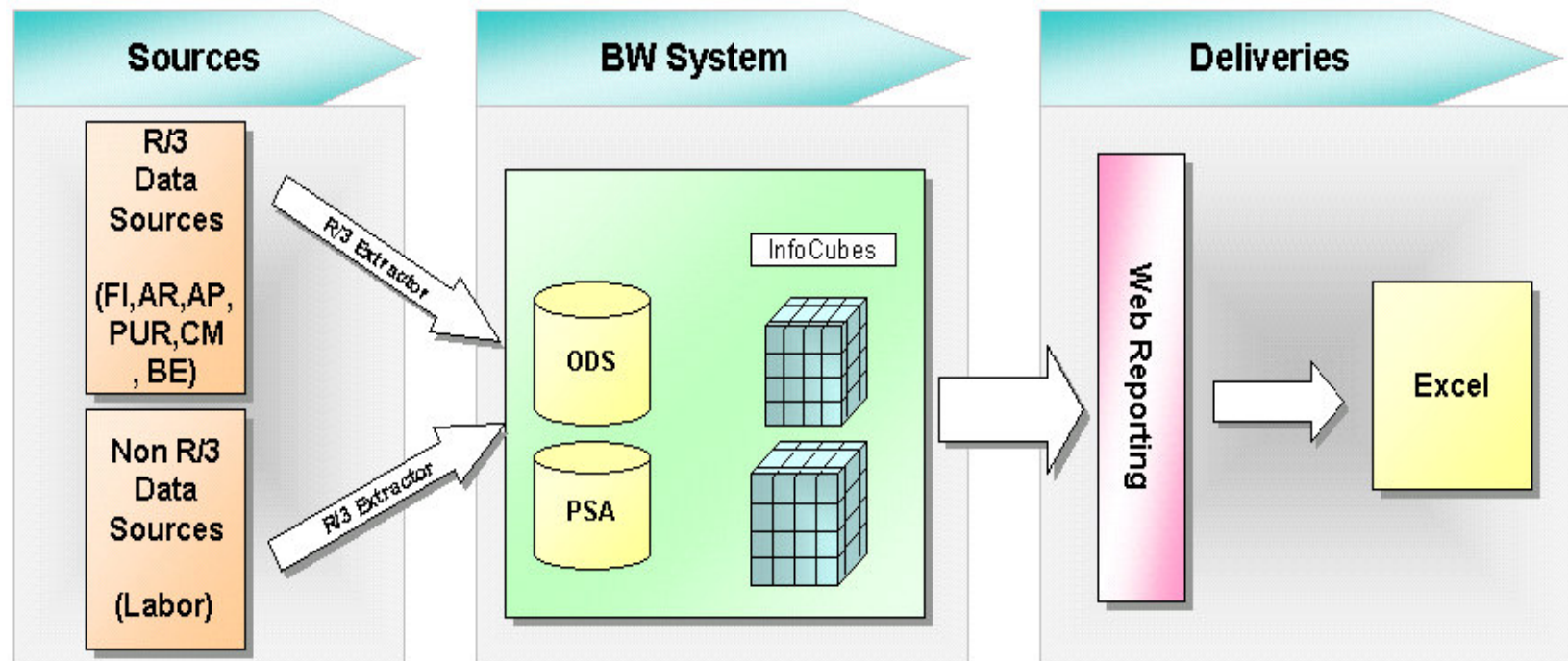


● Why BW Reporting

- BW provides canned reports that have been customized for NASA
- BW provides NASA specific queries to run Ad hoc business reports
- Provides business intelligence reporting and analysis from R/3
- BW has Web-based reporting capabilities
 - 1 Accounts Payable (AP)
 - 5 Accounts Receivable (AR)
 - 8 Budget Execution (BE)
 - 9 Cost Management (CM)
 - 16 Executive Information System (EIS)
 - 18 Purchasing (PUR)
 - 4 Standard General Ledger (SGL)



BW OVERVIEW



BW AWARENESS

- **BW will time out after 30 minutes of inactivity**
- **BW data is updated nightly Sunday-Thursday evenings around 12:00am CST**



BW QUERY TERMS



● Query Terms

- Variables (Business Area, Fiscal year, Purchase org, PO, PR)
- Key Figures (Net sales, Number of employees)
- Characteristics (Material, Customer, Plant)
- Calculated key figures (Total Sales for current year)
- Navigation Tools
- Navigation toolbar



CHARACTERISTICS AND KEY FIGURES

● Key figures

- Key figures are what you report on, total sales, total spend
- Key figures are the measure of certain fact of the business.
- Calculations are performed on KF (Net sales, Invoice value)
- E.g.
 - Net sales
 - Number of employees
 - Invoice value, etc.

● Characteristics

- Characteristics are used to aggregate and analyze key figures
- Can not perform calculation on characteristics
- E.g.
 - Material
 - Customer
 - Plant
 - Company code, etc.



CALCULATED KEY FIGURES

- **Calculated key figures (CKF) are key figures that are derived from other key figures usually via a calculation**





➤ E.g.

- Percent increase in sales is can be calculated using sales for current year and previous year sales
- Revenue is calculated key figure from sales - expenses



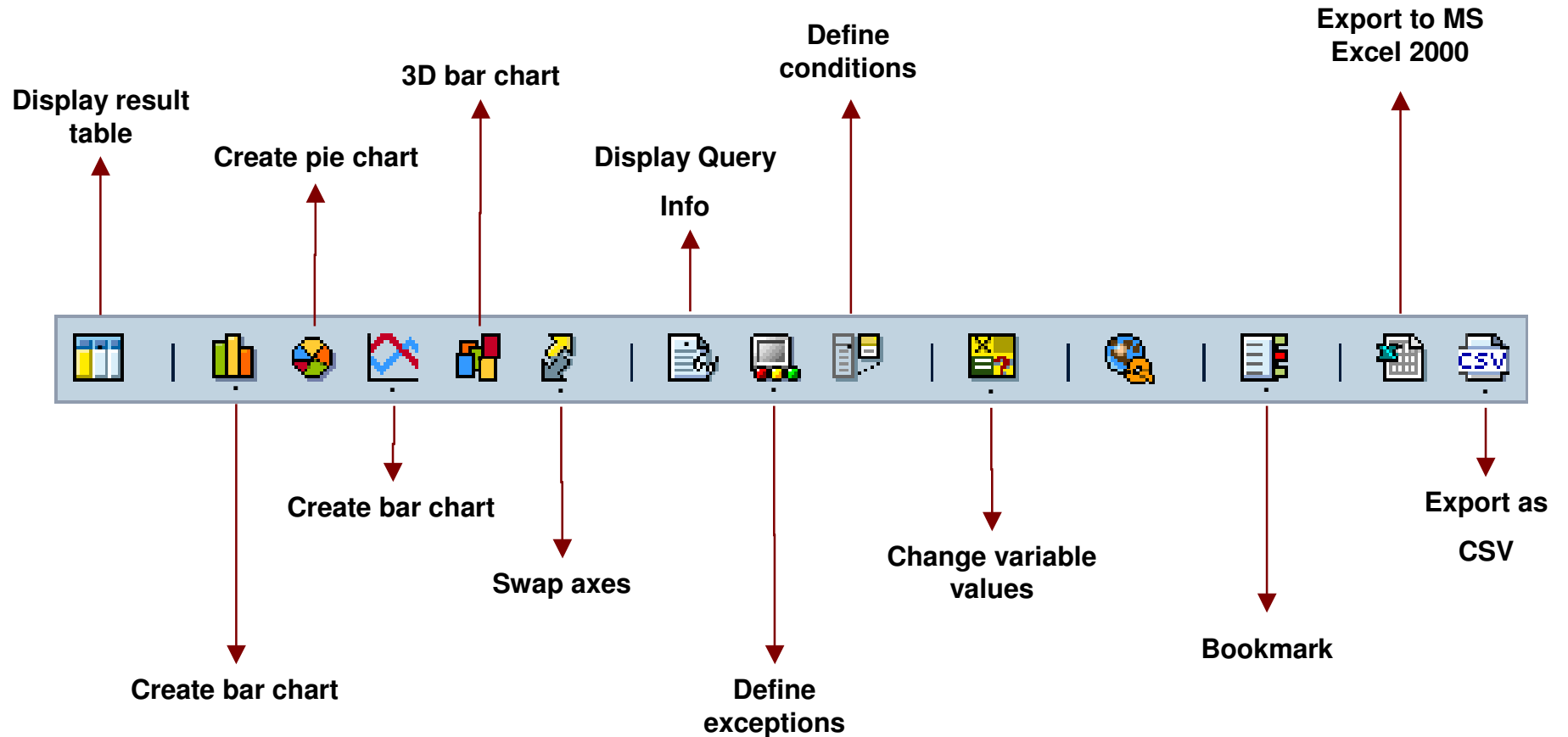
QUERY NAVIGATION

● Navigation Tools

- Drill down 
- Drill across 
- Removing drill downs/across
- Define filter value 
- Change query display properties
- Change key figures display properties
- Change characteristics display properties
- Removing filter values 



QUERY NAVIGATION TOOLBAR



QUERY NAVIGATION

Navigation Demo

- Please refer to Web Reporting End User Guide



EIS QUERY TERMS

● EIS Navigation Block (Variables)

	<u>Examples</u>
➤ Business Area/Center	(24 – Dryden Flight Research Center)
➤ Fiscal year	(2002, 2003)
➤ Plant	(Dryden – DFRC)
➤ Purchase Organization	(4200000369)
➤ Fiscal year/Period	(December 2003 – 003/2003)
➤ Fund	(CF051990D)
➤ Fund Type	(REIM/Direct)
➤ Phasing Plan	(DFRC)



EIS QUERY TERMS

● EIS Key Figures/Characteristics

- Phased Commits * (\$\$)
- Commitments * (\$\$)
- Variance % Commits * (\$\$)
- Phased Obligations * (\$\$)
- Obligations * (\$\$)
- Variance Obligations * (\$\$)
- Variance % Obligations * (\$\$)
- Phased Cost * (\$\$)
- Cost * (\$\$)
- Variance Cost * (\$\$)
- Variance % Cost * (\$\$)
- Phased CS FTE * (\$\$)
- Civil Service FTE * (\$\$)
- Phased Cont WYE * (\$\$)
- Fiscal Year/Period (December 2003 – 003/2003)

(* Key Figures)



EIS QUERY TERMS

● EIS Key Figures/Characteristics

- Operating Plan
- Budget *
- Budget vs. Operating Plan *
- Budget BCF *
- FY FI Obligations Amount *
- FY Cost Amount *
- FY Disbursement Amount *
- FY Commitments Amount
- FY Un-obligations Commitments *
- FY Uncosted FI Obligations *
- FY Undisbursed Obligations *
- FY Purchase Obligations New Awards Amount *
- FY FI Obligations New Awards *
- FY Adjustment Amount Awards *
- ITD Commitments *
- ITD FI Obligations *

(* Key Figures)



EIS QUERY TERMS

● EIS Key Figures/Characteristics

- ITD Cost *
- ITD Disbursement *
- ITD Un-obligated Commitment *
- ITD Uncosted FI Obligations *
- ITD Undisbursed Obligations *
- ITD Purchase Obligations New Awards Amount *
- ITD FI Obligations New Awards Amount *
- ITD Adjustments Amount *
- ITD Count of POs New Awards
- Admin Comp Date
- FIPS 95 Code
- Purchase Requisition (PR)
- Physical Comp date
- Functional Area
- Program
- Program Office

(* Key Figures)



EIS QUERY TERMS

● EIS Key Figures/Characteristics

- Region
- WBS Element
- WBS Element Group
- Material Group
- Sub-authorization
- Budget Line Item
- Budget Subtype
- Cognizant Office
- Commitment Item
- Purchasing Group
- Purchase Order (PO)
- Purchase Requisition (PR)
- Contract (K) Type
- PPC
- Activity



EIS QUERY TERMS

● EIS Key Figures/Characteristics

- Cost Center
- Document Number
- Fiscal Year Variant
- G/L Account
- Outline Agreement
- Outline Agreement Line Item (LI)
- Purchasing Group (PGrp)
- Purchasing Organization (Porg)
- Purchase Doc Type
- Storage Location
- Type of Business
- Type of Industry
- Validity Period Start
- Validity Period End
- Vendor



EIS REPORTS



EXECUTIVE INFO SYSTEM REPORTS PURPOSE

● Executive Information System Reports Purpose

















- Reports that reflect Procurement activities
 - COCD/Open Balances
 - PO/Outline Agreements
- Reports that provide new awards activities
 - Obligations
 - Counts by PPC
- Provide Economic Impact reports



BW APPLICATIONS by MODULE

● EIS

➤ 16 Reports

- ▼ EIS Queries
 -  Phasing Plan to Actual (\$K) (EIS 1.1)
 -  Operating Plan vs. Budget Authority Received (EIS 1.7)
 -  OCD by Procurement Document Type - FY (EIS 5.17)
 -  COCD/Open Balances by Cost Center - FY (EIS 7.40)
 -  COCD/Open Balances by Cost Center - ITD (EIS 7.40)
 -  OCD by PPC/Contract Type - FY (EIS 8.48)
 -  New Award Obligations by PPC/Doc Type - FY (EIS 9.52)
 -  New Awards Counts by PPC/Doc Type - FY (EIS 9.52)
 -  New Awards Obligations by PPC/Doc Type - ITD (EIS 10.53)
 -  New Awards Counts by PPC/Doc Type - ITD (EIS 10.53)
 -  New Award Obs by PPC/DocType-Fiscal Period (EIS11.55)
 -  New Awards Counts by PPC/Doc Type -Fiscal Period (EIS11.55)
 -  Economic Impact - FY (EIS 12.42)
 -  Economic Impact - ITD (EIS 12.42)
 -  Obs/Cost by PO in Outline Agreement - FY (EIS 18.11)
 -  Obs/Cost by PO in Outline Agreements - ITD (EIS 18.11)



BW APPLICATIONS by MODULE

● Executive Information Management Reports

- Monthly phasing plan to actual commitments, obligations, cost FTE and WYE within the FCS by fund within a FY by Center
- Operating plan to actual budget authority received by fund within a FY range by Center.
- FY obligations, cost and disbursements for purchase document types (grant, Space Act Agreement, etc.) by Center, FY and fund type.
- Status of commitments, costs, disbursements, unobligated commitments, uncosted obligations and undisbursed obligations by Center, fund type and cost center summarized at various levels of the FCS
- Status of obligations, cost and disbursements by Center, PPC and contract type summarized at various levels of the purchasing document detail information (i.e. vendor, PGrp, purchasing document type, POrg, etc).
- Status of new award obligations/Counts by Center, PPC and contract type summarized at various levels of the purchasing document detail information (i.e., vendor, document number, etc.) and the FCS (i.e., fund, fund center, etc.).



BW APPLICATIONS by MODULE

● Executive Information Management Report Names

- Obligation amount by Center and region summarized by various levels of the purchasing detail information (i.e., vendor and purchasing document type) and various levels of the FCS (i.e., fund, fund center, etc.).
- Obligation and cost amounts by outline agreement, Center and document number by various levels of the FCS (i.e., fund, fund center, etc.).



BW HELP DESK

● Need help with BW?

➤ Contact:

- Help Desk @ BISS Ext. 2477

➤ BW Functional Leads:

- CM/BE Laura Peters & Kimberly Stevenson
- AP/AR Jim Walker
- PUR Aubrie Henspeter & Rosalie Toberman
- EIS BW Team



ACCESS REPORTS

● **Accessing OLQR Core Financial Reporting**

- Launch Web Brower & enter the following URL
 - <http://olqr-cf.ifmp.nasa.gov>



EXERCISES



EXERCISE 1: WEB REPORTS

- **Note: Use the current web template and the data**
- **Open and execute a web template that includes the following items:**
 - Filters/restricted key figures
 - Use drill down, drill across, filter, sort, conditions & exceptions
- **Use the following items to practice:**
 - Use and practice with drop down boxes
 - Use and practice with check boxes
 - Use and practice with radio buttons
 - Make notes of text elements
 - Use and practice exceptions
 - Use and practice conditions



EXERCISE 2: Save and Work with Excel

- **Note: use the “BW Web Reporting Navigation Introduction” hand out**
- **Use the query to sort (ascending, descending, expend, bookmark & query properties)**
- **Save a query as an Excel workbook in your local drive**
- **Use the Excel file to create graphics and charts**



REVIEW OF COURSE OBJECTIVES

You are now able to:

- Understand Query terms (Key figures/characteristics/Calculated & restricted KF)
- Use reporting tools (web application/browser/analyzer)
- Perform queries Navigation (Drill down/drill across/filter value/display properties)
- Use functionality within query (Exceptions/conditions)

